



DATA SHEET



3Com® 11 Mbps Wireless LAN Access Point 8000

Key Benefits

A Wireless Access Point with Wired Networking Features

Scalable Security

The 3Com® 11 Mbps Wireless LAN Access Point 8000 provides one of the most robust, multilayer scalable security solutions available. It supports 40-bit WEP encryption, 128-bit shared encryption, IEEE 802.1x and RADIUS authentication. Additionally, it supports Extensible Authentication Protocols (EAP) that easily integrate with the network infrastructure. Where there is no centralized RADIUS authentication server, the 3Com Access Point 8000 offers Dynamic Security Link* technology that enables wireless users to log on to the network securely. And the access point's built-in database supports up to 1,000 usernames and passwords.

Manageability

Support for SNMP, HP OpenView, and 3Com Network Supervisor ensures seamless network integration and complete network management of the Access Point 8000 from a central location. Additional functions and features can be easily obtained from the 3Com website via Live Update.

Wireless networks offer new, liberating functionality. But they also need to provide the easy scalability, advanced security capabilities, and centralized

Flexibility

With a transmission distance up to 300 meters (1,000 ft), long-range antenna options offer flexibility in determining the area of coverage. Radio transmit power can be configured to meet specific coverage requirements and minimize interference, making it easier than ever to extend the freedom and reliability of wireless to all those difficult-to-wire or hard-to-reach locations.

Simple Installation

The Site Survey Utility determines the best locations and number of access points for optimal bandwidth and coverage. The access point's configuration can be saved using the backup and restore facility, then extended to all other access points on the network. Clear Channel Select automatically chooses the best-available radio channel during every power cycle and Power over Ethernet (included) can power access points over your Category 5 Ethernet cabling.

management of wired networks. That's what makes the 3Com Access Point 8000 an outstanding choice: it delivers full networking functionality.

*Dynamic Security Link works only when used in conjunction with 3Com 11 Mbps Wireless LAN PC Card with XJACK® antenna.

Specifications

Security	Network Management	Physical Dimensions
Supports EAP-enabled Remote Access Dial-In User Service (RADIUS) Servers. Supports EAP-MD5, EAP-TLS for per user per session dynamic key and management	3Com Network Supervisor is provided free of charge on CD-ROM	Length w/ antenna perpendicular: 208 mm (8.172 in)
Supports IEEE 802.1x standard for wireless user network login and authentication	An embedded HTTP Web management server in each access point works with any web browser that supports HTML and Java Script for easy Web configuration, firmware upgradability, and management	Length w/ antenna parallel: 253 mm (9.966 in)
40-Bit WEP Shared Encryption Key	Any SNMP compliant management platform will be able to manage and monitor the Access Point 8000	Maximum depth: 144 mm (5.673 in)
128-Bit Shared Encryption Key	Supports HP OpenView	Maximum height: 41 mm (1.610 in)
128-Bit Dynamic Encryption Key with 3Com Dynamic Security Link technology to enable user-level authentication built into the access point	Standards Conformance	Height w/antenna perpendicular: 84 mm (3.321 in)
Performance	Wi-Fi certified	Environmental Operating Ranges
256 simultaneous user support	IEEE 802.11b	Temperature: 0 to 55°C
Dynamic rate shifting between 11, 5.5, 2, and 1 Mbps as conditions and distances change	IEEE 802.1x	Humidity: 10 to 90% non-condensing
Advanced DHCP support automatically assigns IP addresses, ensuring users always have a valid IP address from a DHCP server on the Ethernet network, or the built-in access point's DHCP server	Safety and Electromagnetic Conformance	Altitude: Up to 3,000 m (9,800 ft)
	Safety: UL/CSA 60950, EN 60950	
	Radio: FCC Part 15.247, IC RSS-210, ETS 300 328	
	EMC: FCC Part 15 Class B, ICES-003, ETS 300 826	
		Warranty
		One-year hardware warranty

Ordering Information

Product Name	Region	Order Number
3Com 11 Mbps Wireless LAN Access Point 8000	U.S./Canada, Latin America, Europe, Asia Pacific countries	3CRWE80096A
	France	3CRWE80096A-FR
	Japan	3CRWE80096A-JP

Accessories and Replaceable Parts

3Com Access Point Integrated Power over Ethernet Power Supply	All	3CWE400
3Com Access Point Mounting Kit	All	3CWE403
3Com 4.0 dBi Omnidirectional Antenna	All	3CWE490
3Com 2.5 dBi Ceiling Mount Omnidirectional Antenna	All	3CWE492
3Com 4.0 dBi Hallway Bidirectional Antenna	All	3CWE497
3Com 8.0 dBi Panel Antenna	All	3CWE498
3Com 1.83 m (6 ft) Antenna Cable	All	3CWE480
3Com 6.1 m (20 ft) Antenna Cable	All	3CWE481

Use the 3Com 11 Mbps Wireless LAN Access Point 8000 with these 3Com products

3Com 11 Mbps Wireless LAN PC Card with XJACK® Antenna	3CRWE6292A
3Com Network Jack Multiport Power-over-Ethernet Midspan Solution	3CNJPSE24
3Com 11 Mbps Wireless LAN Building-to-Building Bridge	3CRWE90096A
3Com 11 Mbps Wireless LAN Workgroup Bridge	3CRWE83096A



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To learn more about 3Com solutions, visit www.3com.com. 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

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